

**WEST**[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)**Search Results -**

Terms	Documents
l3 and (content or history or profile or path or site or address).ti,ab,clm.	54

Database:

US Patents Full-Text Database  
US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

Refine Search:

Clear

**Search History**

Today's Date: 3/27/2001

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	l3 and (content or history or profile or path or site or address).ti,ab,clm.	54	<u>L4</u>
USPT	l2 and (content or profile or user)	78	<u>L3</u>
USPT	l1 and server.ti,ab,clm. and client.ti,ab,clm.	80	<u>L2</u>
USPT	cache.ti,ab,clm. and (web or page or site).ti,ab,clm.	663	<u>L1</u>

**WEST**☐ **Generate Collection**

L4: Entry 3 of 54

File: USPT

Feb 6, 2001

US-PAT-NO: 6185608

DOCUMENT-IDENTIFIER: US 6185608 B1

TITLE: Caching dynamic web pages

DATE-ISSUED: February 6, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hon; Lenny K.	Waterloo	N/A	N/A	CAX
Kuperman; Leon	Thornhill	N/A	N/A	CAX
Mau; Louis S.	Burnaby	N/A	N/A	CAX
Mohelsky; Alexander	Toronto	N/A	N/A	CAX

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY	N/A	N/A	02	

APPL-NO: 9/ 096305

DATE FILED: June 12, 1998

INT-CL: [7] G06F 13/38, G06F 15/17

US-CL-ISSUED: 709/216; 707/10

US-CL-CURRENT: 709/216; 707/10

FIELD-OF-SEARCH: 709/203, 709/245, 709/229, 709/205, 709/246, 709/248, 709/213-216, 707/203, 707/10

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

☐ **Search Selected**☐ **Search ALL**

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5920725</u>	July 1999	Ma et al.	707/203
<input type="checkbox"/>	<u>5991773</u>	November 1999	Tagawa	707/203
<input type="checkbox"/>	<u>6003087</u>	December 1999	Housel, III et al.	709/229
<input type="checkbox"/>	<u>6016512</u>	January 2000	Huitema	709/245

## OTHER PUBLICATIONS

Active transaction integrated with real-time transactions according to data freshness, Shimakawa et al., ieeexplore.ieee.org, pp. 321-328 and, 1997.  
A distributed web server and its performance analysis on multiple platforms, Liu et al., ieeexplorer.ieee.org, pp. 665-672, 1996.

ART-UNIT: 276

PRIMARY-EXAMINER: Rinehart; Mark

ASSISTANT-EXAMINER: Jaroenchonwanit; Bunjob

ATTY-AGENT-FIRM: Ray-Yarletts; Jeanine S.

ABSTRACT:

Web pages for commercial applications, such as electronic retail, are built "on-the-fly" in Hypertext Markup Language (HTML) from product data stored in the merchant's database. To reduce costs in time and computing resources and to improve customer access to data from the merchant's web site, pages created in HTML are cached on the merchant server. On a customer request for a page, the merchant server checks the cache first for the page, and if it isn't found there, generates a new page from the database. To maintain the validity of the content of the cached pages, the database tables include triggers that cause identifying information for any changes made on the stored data to be forwarded to a cache log. A synchronization daemon walks the cache log from time to time to locate pages that should be purged from the cache because their content is no longer synchronous with the data stored in the database. By setting preferences for identifiable customers in advance, data generated from the database can be selected for specific customer groups.

14 Claims, 4 Drawing figures